

Title (en)

Swash plate shoe

Title (de)

SCHUH FÜR EINE TAUMELSCHEIBE

Title (fr)

Patin de plateau-came

Publication

**EP 0919719 A2 19990602 (EN)**

Application

**EP 98122640 A 19981127**

Priority

JP 32768997 A 19971128

Abstract (en)

In a swash plate type compressor in which a shoe (3) is placed between a swash plate (5) and a reciprocal piston (2), the shoe has a convex curved surface (32) having a specific portion extending along an oblate spheroid defined by a predetermined ellipse. The piston has a concave spherical surface (2a) adaptable to the convex curved surface. The specific portion has a ring-like contact portion which is in contact with the concave spherical surface around a minor axis of the predetermined ellipse to surround a portion spaced from the concave spherical surface. In addition, the shoe has a sliding surface (31) slidable along the swash plate. <IMAGE>

IPC 1-7

**F04B 27/08**

IPC 8 full level

**F04B 39/00** (2006.01); **F04B 27/08** (2006.01)

CPC (source: EP US)

**F04B 27/0886** (2013.01 - EP US); **Y10T 403/46** (2015.01 - EP US)

Citation (applicant)

- JP S61135990 A 19860623 - TAIHO KOGYO CO LTD
- JP S4965509 A 19740625
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- US 4734014 A 19880329 - IKEDA HAYATO [JP], et al

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Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**EP 0919719 A2 19990602**; **EP 0919719 A3 20000308**; **EP 0919719 B1 20011107**; DE 69802368 D1 20011213; DE 69802368 T2 20020711; JP 3958420 B2 20070815; JP H11159457 A 19990615; US 6168389 B1 20010102; US 6287087 B1 20010911

DOCDB simple family (application)

**EP 98122640 A 19981127**; DE 69802368 T 19981127; JP 32768997 A 19971128; US 20079998 A 19981127; US 71113600 A 20001114